

## Water Management

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Monroe County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
11B: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
					Cutbanks cave	0.10
Ely-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.30
			Piping	0.20	Deep to water Cutbanks cave	0.25 0.10
13B: Olmitz-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.41	Very limited Deep to water	1.00
Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
					Cutbanks cave	0.10
Vesser-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
			Piping	0.09	Cutbanks cave Deep to water	0.10 0.01
23C: Arispe-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.30
					Deep to water Cutbanks cave	0.25 0.10
23C2: Arispe-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.30
					Deep to water Cutbanks cave	0.25 0.10
24D2: Shelby-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Deep to water	1.00

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24E2: Shelby-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Deep to water	1.00
41D: Sparta-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
51: Vesser-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.09	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
54: Zook-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.88	Somewhat limited Slow refill Cutbanks cave	0.95 0.10
54+: Zook-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.78	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
58D2: Douds-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
58E2: Douds-----	Very limited Seepage Slope	1.00 0.04	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
65D: Lindley-----	Somewhat limited Seepage Slope	0.05 0.01	Somewhat limited Piping	0.41	Very limited Deep to water	1.00
65E: Lindley-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.41	Very limited Deep to water	1.00

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65E2: Lindley-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.41	Very limited Deep to water	1.00
65G: Lindley-----	Somewhat limited Slope Seepage	0.45 0.05	Somewhat limited Piping	0.41	Very limited Deep to water	1.00
76B: Ladoga-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
76C: Ladoga-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
76C2: Ladoga-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
76D: Ladoga-----	Somewhat limited Seepage Slope	0.70 0.01	Not limited		Very limited Deep to water	1.00
76D2: Ladoga-----	Somewhat limited Seepage Slope	0.70 0.01	Not limited		Very limited Deep to water	1.00
80D: Clinton-----	Somewhat limited Seepage Slope	0.70 0.01	Not limited		Very limited Deep to water	1.00
80D2: Clinton-----	Somewhat limited Seepage Slope	0.70 0.01	Not limited		Very limited Deep to water	1.00
130: Belinda-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill  Cutbanks cave	0.30  0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
131B: Pershing-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Deep to water	0.25
					Cutbanks cave	0.10
131C: Pershing-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Deep to water	0.25
					Cutbanks cave	0.10
132B: Weller-----	Not limited		Somewhat limited Hard to pack Depth to saturated zone	0.71 0.43	Very limited Slow refill	1.00
					Deep to water	0.25
					Cutbanks cave	0.10
132C: Weller-----	Not limited		Somewhat limited Hard to pack Depth to saturated zone	0.71 0.43	Very limited Slow refill	1.00
					Deep to water	0.25
					Cutbanks cave	0.10
133: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
					Cutbanks cave	0.10
133+: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
					Cutbanks cave	0.10
133B: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
					Cutbanks cave	0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
179D2: Gara-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Deep to water	1.00
179E2: Gara-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Deep to water	1.00
179F: Gara-----	Somewhat limited Slope Seepage	0.18 0.05	Not limited		Very limited Deep to water	1.00
179F2: Gara-----	Somewhat limited Slope Seepage	0.18 0.05	Not limited		Very limited Deep to water	1.00
192D2: Adair-----	Somewhat limited Seepage  Slope	0.05  0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill  Cutbanks cave Deep to water	0.95  0.10 0.01
211: Edina-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.56	Somewhat limited Slow refill  Cutbanks cave	0.30  0.10
220: Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
222C: Clarinda-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.99	Very limited Slow refill  Cutbanks cave Deep to water	1.00  0.10 0.01

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Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
222C2: Clarinda-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.99	Somewhat limited Slow refill Cutbanks cave Deep to water	0.99 0.10 0.01
222D2: Clarinda-----	Somewhat limited Seepage  Slope	0.01  0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.99	Somewhat limited Slow refill Cutbanks cave Deep to water	0.99 0.10 0.01
223C2: Rinda-----	Not limited		Very limited Hard to pack Depth to saturated zone	1.00 1.00	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.01
223D2: Rinda-----	Somewhat limited Slope	0.01	Very limited Hard to pack Depth to saturated zone	1.00 1.00	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.01
260: Beckwith-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.68	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
263: Okaw-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 0.88	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
273C: Olmitz-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.41	Very limited Deep to water	1.00
279: Taintor-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.26	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
280: Mahaska-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.30
					Deep to water	0.25
					Cutbanks cave	0.10
281B: Otley-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
281C: Otley-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
281C2: Otley-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
313D: Gosport-----	Somewhat limited Depth to bedrock Slope	0.11 0.01	Somewhat limited Hard to pack Depth to saturated zone Thin layer	0.99 0.95 0.86	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
313D2: Gosport-----	Somewhat limited Depth to bedrock Slope	0.11 0.01	Somewhat limited Hard to pack Depth to saturated zone Thin layer	0.99 0.95 0.86	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
313E: Gosport-----	Somewhat limited Depth to bedrock Slope	0.11 0.04	Somewhat limited Hard to pack Depth to saturated zone Thin layer	0.99 0.95 0.86	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
313E2: Gosport-----	Somewhat limited Depth to bedrock Slope	0.11 0.04	Somewhat limited Hard to pack Depth to saturated zone Thin layer	0.99 0.95 0.86	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
313F: Gosport-----	Somewhat limited Slope Depth to bedrock	0.64 0.11	Somewhat limited Hard to pack Depth to saturated zone Thin layer	0.99 0.95 0.86	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
362: Haig-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.48	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
364B: Grundy-----	Not limited		Somewhat limited Depth to saturated zone Hard to pack	0.95 0.81	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
419D2: Vanmeter-----	Somewhat limited Depth to bedrock Slope	0.11 0.01	Somewhat limited Depth to saturated zone Thin layer	0.95 0.86	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
419E2: Vanmeter-----	Somewhat limited Depth to bedrock Slope	0.11 0.04	Somewhat limited Depth to saturated zone Thin layer	0.95 0.86	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
423D2: Bucknell-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone Hard to pack	1.00 0.39	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.01
424E2: Lindley-----	Somewhat limited Seepage Slope	0.05 0.04	Somewhat limited Piping	0.59	Very limited Deep to water	1.00



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Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Deep to water	0.10 0.01
425C: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
					Cutbanks cave Deep to water	0.10 0.01
425D: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Deep to water	0.10 0.01
425D2: Keswick-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Deep to water	0.10 0.01
428B: Ely-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43	Somewhat limited Slow refill	0.30
				0.20	Deep to water Cutbanks cave	0.25 0.10
452C: Lineville-----	Not limited		Very limited Depth to saturated zone	1.00	Very limited Slow refill	1.00
					Cutbanks cave Deep to water	0.10 0.01
478G: Gosport-----	Somewhat limited Slope	0.36	Very limited Hard to pack Depth to saturated zone Thin layer	1.00	Very limited Slow refill	1.00
	Depth to bedrock	0.11		0.95	Cutbanks cave	0.10
				0.86	Deep to water	0.02

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Rock Outcrop-----	Not rated		Not rated		Not rated	
484: Lawson-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.97	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
594C2: Galland-----	Very limited Seepage	1.00	Not limited		Somewhat limited Deep to water Cutbanks cave	0.81 0.10
594D2: Galland-----	Very limited Seepage Slope	1.00 0.01	Not limited		Somewhat limited Deep to water Cutbanks cave	0.81 0.10
688: Koszta-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.86	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.06
731C2: Pershing-----	Somewhat limited Seepage	0.05	Somewhat limited Hard to pack Depth to saturated zone	0.46 0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.95 0.25 0.10
731D2: Pershing-----	Somewhat limited Seepage Slope	0.05 0.01	Somewhat limited Hard to pack Depth to saturated zone	0.46 0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.95 0.25 0.10
732C2: Weller-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.95 0.25 0.10

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732D2: Weller-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
	Slope	0.01			Deep to water Cutbanks cave	0.25 0.10
792C2: Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
					Cutbanks cave Deep to water	0.10 0.01
792D2: Armstrong-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.95
	Slope	0.01			Cutbanks cave Deep to water	0.10 0.01
795D: Ashgrove-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone Hard to pack	1.00	Very limited Slow refill	1.00
				0.50	Cutbanks cave Deep to water	0.10 0.01
822D2: Lamoni-----	Somewhat limited Slope	0.01	Very limited Depth to saturated zone Hard to pack	1.00	Very limited Slow refill	1.00
				0.25	Cutbanks cave Deep to water	0.10 0.01
832C2: Weller-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	0.95
					Deep to water Cutbanks cave	0.25 0.10
876B: Ladoga-----	Somewhat limited Seepage	0.70	Not limited		Very limited Deep to water	1.00
876C2: Ladoga-----	Somewhat limited Seepage	0.70			Very limited Deep to water	1.00

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993D2: Gara-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Deep to water	1.00
Armstrong-----	Somewhat limited Seepage  Slope	0.05  0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill  Cutbanks cave Deep to water	0.95  0.10 0.01
993E2: Gara-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Deep to water	1.00
Armstrong-----	Somewhat limited Seepage  Slope	0.05  0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill  Cutbanks cave Deep to water	0.95  0.10 0.01
1130: Belinda-----	Somewhat limited Seepage	0.01	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill  Cutbanks cave	0.30  0.10
1131C: Pershing-----	Somewhat limited Seepage	0.05	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill  Deep to water Cutbanks cave	0.95  0.25 0.10
1279: Taintor-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Hard to pack	1.00 0.26	Somewhat limited Slow refill  Cutbanks cave	0.30  0.10
5020: Dumps-----	Not rated		Not rated		Not rated	
Pits-----	Not rated		Not rated		Not rated	

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5021: Orthents-----	Not rated		Not rated		Not rated	
5030: Pits-----	Not rated		Not rated		Not rated	
5040: Orthents-----	Not rated		Not rated		Not rated	
W: Water-----	Not rated		Not rated		Not rated	